

## ABSTRACT OF THE DISCLOSURE

The present invention provides a method of handling a structure and an equipment of handling the structure which can make swing of the structure to be transported small  
5 when the structure in a reactor building is carried out from the reactor building and/or when the structure is carried into the reactor building from the outside of the reactor building.

The method of handling a structure in accordance with  
10 the present invention comprises the steps of setting a beam outside a building inside of which a reactor pressure vessel is installed, the beam passing above the reactor pressure vessel and crossing over the building; setting a lifting machine having a lifting device for lifting an  
15 object to be lifted onto the beam, the lifting machine being moved on the beam; carrying in a shield for shielding radioactive rays radiated from the reactor pressure vessel into the building through an opening portion provided in a roof of the building; carrying out the reactor pressure  
20 vessel inside the building together with the shield upward through the opening portion using the lifting device; moving the lifting machine holding the reactor pressure vessel on the beam until a position where the building does not exist below the reactor pressure vessel; and lifting  
25 down the reactor pressure vessel using the lifting device to mount the reactor pressure vessel onto a transporting machine.